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APPENDIX TAB 1

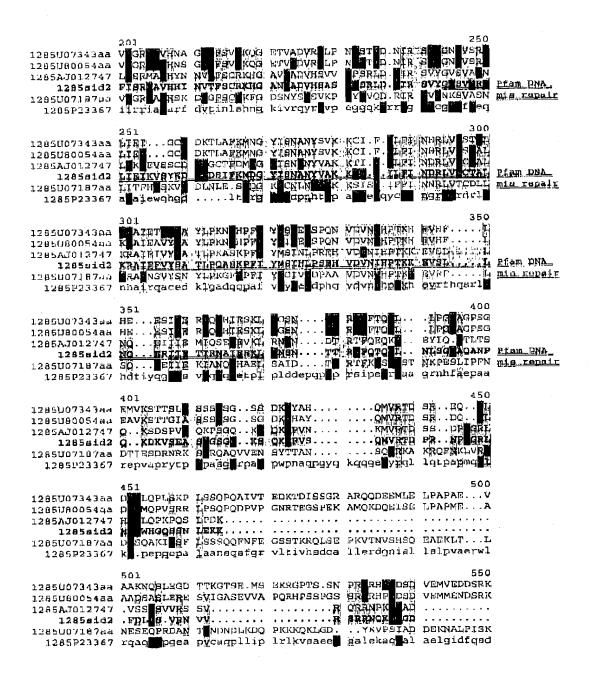
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PileUp - MLH1 & MutL sequences
March 9, 2004
Symbol comparison mable: blosum62.cmp CompCheck: 1102
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    1285AJ012747_pileup_113732.txt MSF: 861 Type: P March 9, 2004 15:49
Check: 3903 ..
                                                     Protein encoded by GenBank U07343, human
U07343aa
                                                   Protein encoded by GenBank U80054, Rat
U80054aa
AJ012747aa Protein encoded by GenBank AJ012747, A. thaliana
1285sid2 SEQ ID NO: 2, Rice
                                                Protein encoded by GenBank U07187, $. cerevisaie
U07187aa
                                                     SwissProt MutL, E. coli
 P23367
 FORMATTING:
 Residues Identical to 1285sid2
 Residues to 1285sid2 (A. S. & T; M, I, L, & V; D & E; Q & N; F,
Y, & W; and K & R. See, Creighton (1984) Proteins W.H. Freeman &
 Residues Similar to 1285sld2, alternate conservative groups (A, S, T,
 P, & G; M, I, L, & V; D, E, Q, & N; K, R, & H; and Y, F, & W. As used
 in McKay et a). Genomics 36:305-315 1996))
MutL/PMS1 Signature Sequence Underlined Bold (see Figure 2)
Pfam domain DNA-mis-repair Pouble-underlined Bold (Exhibit A, 5/19/03)
 1285U07343aa NAKKELENC LDAK BECY TYKEGGEKET GODNOTGER GEPING INDAK BECY TYKEGGEKET GODNOTGER KENDING INDAK BECKET INDAK BECY TYKEGGEKET GODNOTGER KENDING INDAK BECKET INDAK BECKET GYBOLOGIER KENDING INDAK BECKET INDAK BECKET GYBOLOGIER KENDING INDAK BECKET INDAK BECKET GYBOLOGIER KANDING INDAK BECKET INDAK BECKET GYBOLOGIER KANDING INDAK BECKET GYB
1382D3330, press 11 greffieldt hoeffer a matterial gedoerde 1782D0330, press 11 greffieldt hoeffer and matterial gedoerde 1782D03330, press 11 greffieldt gedoerde 1782D03330, press 1282D031839 hoeffer and matterial gedoerde 1782D031839 hoef
 1285U07343aa YSDGK. KAP PKRQAGNQOQ QTYKDIRYY ARKHIKU PS KAKKI

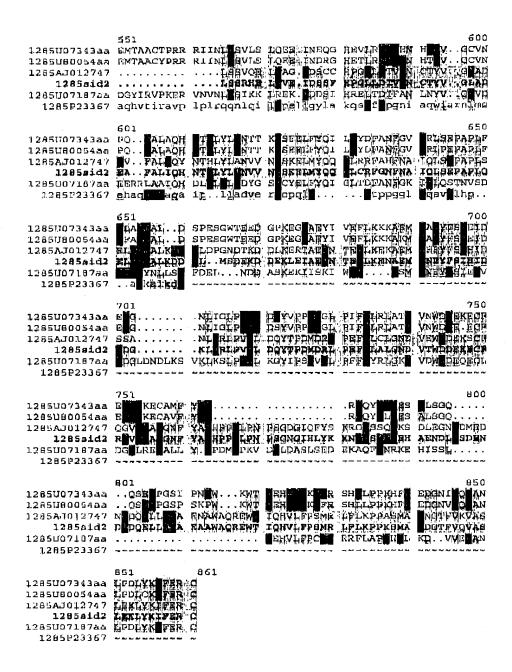
1285B180054aa YSDGK. QAP PKRQAGNQOQ QTYKDIRYN ARKKIKU PS YGKK

1285B1012747 YRDGV. MRHE PKACAAVKOT QTYKDIRYN ARKKITON SANDYGKTUD

1285B162 RRDGV. MENK PKPCAAVKOT QTYKHILFYN MQARKKITON SHDDYCKIVII

1285B23367 YE GTOMMES PKPVACKDGT TEVRIYATIK DREAMINES HARYKITON SKELTINIA
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APPENDIX TAB 2